

# Jorg Thming

## List of Publications by Citations

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128  
papers

4,407  
citations

31  
h-index

63  
g-index

129  
ext. papers

4,950  
ext. citations

7  
avg, IF

5.58  
L-index

#	Paper	IF	Citations
128	Application of spectroscopic methods for structural analysis of chitin and chitosan. <i>Marine Drugs</i> , <b>2010</b> , 8, 1567-636	6	637
127	Self-organization of imidazolium ionic liquids in aqueous solution. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2008</b> , 329, 125-133	5.1	307
126	Micelle formation of imidazolium ionic liquids in aqueous solution. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2008</b> , 316, 278-284	5.1	297
125	Primary biodegradation of ionic liquid cations, identification of degradation products of 1-methyl-3-octylimidazolium chloride and electrochemical wastewater treatment of poorly biodegradable compounds. <i>Green Chemistry</i> , <b>2008</b> , 10, 214-224	10	206
124	Progress in evaluation of risk potential of ionic liquids—Basis for an eco-design of sustainable products. <i>Green Chemistry</i> , <b>2005</b> , 7, 362	10	199
123	Biomedical Activity of Chitin/Chitosan Based Materials—Influence of Physicochemical Properties Apart from Molecular Weight and Degree of N-Acetylation. <i>Polymers</i> , <b>2011</b> , 3, 1875-1901	4.5	168
122	Thermodynamics of micellization of imidazolium ionic liquids in aqueous solutions. <i>Journal of Colloid and Interface Science</i> , <b>2009</b> , 336, 111-6	9.3	155
121	Environmental and health impact assessment of Liquid Organic Hydrogen Carrier (LOHC) systems—Challenges and preliminary results. <i>Energy and Environmental Science</i> , <b>2015</b> , 8, 1035-1045	35.4	134
120	Ionic liquids as lubricants or lubrication additives: an ecotoxicity and biodegradability assessment. <i>Chemosphere</i> , <b>2012</b> , 89, 1135-41	8.4	103
119	Biodegradability of 27 pyrrolidinium, morpholinium, piperidinium, imidazolium and pyridinium ionic liquid cations under aerobic conditions. <i>Green Chemistry</i> , <b>2014</b> , 16, 2174-2184	10	95
118	Predicting optimal temperature profiles in single-stage fixed-bed reactors for CO <sub>2</sub> -methanation. <i>Chemical Engineering Science</i> , <b>2015</b> , 132, 59-71	4.4	87
117	Safe-by-Design CuO Nanoparticles via Fe-Doping, Cu-O Bond Length Variation, and Biological Assessment in Cells and Zebrafish Embryos. <i>ACS Nano</i> , <b>2017</b> , 11, 501-515	16.7	74
116	Synthesis of ionic liquids in micro-reactors—A process intensification study. <i>Green Chemistry</i> , <b>2007</b> , 9, 1084	10	73
115	Changes in zeta potential of imidazolium ionic liquids modified minerals—Implications for determining mechanism of adsorption. <i>Chemosphere</i> , <b>2013</b> , 90, 706-12	8.4	59
114	An analytically predictive model for moderately rarefied gas flow. <i>Journal of Fluid Mechanics</i> , <b>2012</b> , 698, 406-422	3.7	59
113	Influences of use activities and waste management on environmental releases of engineered nanomaterials. <i>Science of the Total Environment</i> , <b>2015</b> , 535, 160-71	10.2	58
112	Studies on acetylation patterns of different chitosan preparations. <i>Carbohydrate Polymers</i> , <b>2009</b> , 78, 678-684	10.3	55

111	Strategy to improve the characterization of chitosan for sustainable biomedical applications: SAR guided multi-dimensional analysis. <i>Green Chemistry</i> , <b>2009</b> , 11, 498	10	55
110	(Eco)toxicity of fluoro-organic and cyano-based ionic liquid anions. <i>Chemical Communications</i> , <b>2012</b> , 48, 9382-4	5.8	53
109	Ionic liquids: predictions of physicochemical properties with experimental and/or DFT-calculated LFER parameters to understand molecular interactions in solution. <i>Journal of Physical Chemistry B</i> , <b>2011</b> , 115, 6040-50	3.4	49
108	In silico modelling for predicting the cationic hydrophobicity and cytotoxicity of ionic liquids towards the Leukemia rat cell line, <i>Vibrio fischeri</i> and <i>Scenedesmus vacuolatus</i> based on molecular interaction potentials of ions. <i>SAR and QSAR in Environmental Research</i> , <b>2013</b> , 24, 863-82	3.5	45
107	Thermoeconomic optimization of vertical ground-source heat pump systems through nonlinear integer programming. <i>Applied Energy</i> , <b>2014</b> , 114, 492-503	10.7	44
106	Advanced oxidation process for the removal of ionic liquids from water: The influence of functionalized side chains on the electrochemical degradability of imidazolium cations. <i>Separation and Purification Technology</i> , <b>2012</b> , 101, 26-33	8.3	43
105	Anaerobic biodegradability of ionic liquid cations under denitrifying conditions. <i>Green Chemistry</i> , <b>2010</b> , 12, 620	10	42
104	Influence of the Hofmeister anions on self-organization of 1-decyl-3-methylimidazolium chloride in aqueous solutions. <i>Journal of Colloid and Interface Science</i> , <b>2011</b> , 362, 415-22	9.3	40
103	Electrochemical oxidation of imidazolium-based ionic liquids: The influence of anions. <i>Chemical Engineering Journal</i> , <b>2012</b> , 198-199, 338-345	14.7	39
102	Predictability of silver nanoparticle speciation and toxicity in ecotoxicological media. <i>Environmental Science: Nano</i> , <b>2017</b> , 4, 1470-1483	7.1	38
101	Predicting the critical micelle concentrations of aqueous solutions of ionic liquids and other ionic surfactants. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 8880-5	4.8	37
100	Biodegradability of fluoroorganic and cyano-based ionic liquid anions under aerobic and anaerobic conditions. <i>Green Chemistry</i> , <b>2012</b> , 14, 410-418	10	36
99	Dielectrophoretically intensified cross-flow membrane filtration. <i>Journal of Membrane Science</i> , <b>2009</b> , 336, 71-78	9.6	33
98	ECO-design of reuse and recycling networks by multi-objective optimization. <i>Journal of Cleaner Production</i> , <b>2005</b> , 13, 1492-1503	10.3	33
97	Electrochemically enhanced oxidation reactions in sandy soil polluted with mercury. <i>Science of the Total Environment</i> , <b>2000</b> , 261, 137-47	10.2	31
96	Recovery of ionic liquids from wastewater: Aggregation control for intensified membrane filtration. <i>Desalination</i> , <b>2008</b> , 224, 52-56	10.3	30
95	Membrane partitioning of ionic liquid cations, anions and ion pairs' Estimating the bioconcentration potential of organic ions. <i>Environmental Pollution</i> , <b>2017</b> , 228, 378-389	9.3	26
94	Intensification of cross-flow membrane filtration using dielectrophoresis with a novel electrode configuration. <i>Journal of Membrane Science</i> , <b>2013</b> , 448, 256-261	9.6	26

93	A fouling suppression system in submerged membrane bioreactors using dielectrophoretic forces. <i>Journal of Environmental Sciences</i> , <b>2015</b> , 29, 139-45	6.4	26
92	On the Effect of Enhanced Mass Transfer on Side Reactions in Capillary Microreactors during High-Temperature Synthesis of an Ionic Liquid. <i>Chemical Engineering and Technology</i> , <b>2009</b> , 32, 1717-1723		25
91	Intrinsically green iron oxide nanoparticles? From synthesis via (eco-)toxicology to scenario modelling. <i>Nanoscale</i> , <b>2013</b> , 5, 1034-46	7.7	24
90	Electrochemical Behavior of Single CuO Nanoparticles: Implications for the Assessment of their Environmental Fate. <i>Small</i> , <b>2018</b> , 14, e1801765	11	23
89	Insulator-based dielectrophoresis in viscous media—Simulation of particle and droplet velocity. <i>Journal of Electrostatics</i> , <b>2007</b> , 65, 452-458	1.7	23
88	Evaluation of different heat extraction strategies for shallow vertical ground-source heat pump systems. <i>Applied Energy</i> , <b>2015</b> , 149, 259-271	10.7	21
87	Coupled conjugate heat transfer and heat production in open-cell ceramic foams investigated using CFD. <i>International Journal of Heat and Mass Transfer</i> , <b>2019</b> , 139, 600-612	4.9	19
86	NMR imaging of gas phase hydrogenation in a packed bed flow reactor. <i>Applied Catalysis A: General</i> , <b>2015</b> , 502, 340-349	5.1	19
85	In silico prediction of linear free energy relationship descriptors of neutral and ionic compounds. <i>RSC Advances</i> , <b>2015</b> , 5, 80634-80642	3.7	19
84	Electrodeless dielectrophoresis: Impact of geometry and material on obstacle polarization. <i>Electrophoresis</i> , <b>2016</b> , 37, 291-301	3.6	19
83	On conformational analysis of chitosan. <i>Carbohydrate Polymers</i> , <b>2011</b> , 84, 1237-1243	10.3	19
82	Dielectrophoretic Gold Particle Separation. <i>Separation Science and Technology</i> , <b>2008</b> , 43, 3842-3855	2.5	19
81	The gas flow diode effect: theoretical and experimental analysis of moderately rarefied gas flows through a microchannel with varying cross section. <i>Microfluidics and Nanofluidics</i> , <b>2015</b> , 18, 391-402	2.8	18
80	Molecular dynamics simulations on scattering of single Ar, N <sub>2</sub> , and CO <sub>2</sub> molecules on realistic surfaces. <i>Computers and Fluids</i> , <b>2014</b> , 97, 31-39	2.8	18
79	Determination of the pattern of acetylation of chitosan samples: Comparison of evaluation methods and some validation parameters. <i>International Journal of Biological Macromolecules</i> , <b>2009</b> , 45, 56-60	7.9	18
78	TBT-contaminated Sediments: Treatment in a Pilot Scale (9 pp). <i>Journal of Soils and Sediments</i> , <b>2005</b> , 5, 21-29	3.4	18
77	Determination of the pattern of acetylation of low-molecular-weight chitosan used in biomedical applications. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2009</b> , 50, 587-90	3.5	17
76	Oxygen feed membranes in autothermal steam-reformers—A robust temperature control. <i>Fuel</i> , <b>2010</b> , 89, 1257-1264	7.1	17

75	Nanofiltration of bivalent nickel cations [model parameter determination and process simulation. <i>Desalination</i> , <b>2008</b> , 224, 12-17	10.3	17
74	Influence of geometry and material of insulating posts on particle trapping using positive dielectrophoresis. <i>Journal of Chromatography A</i> , <b>2017</b> , 1483, 127-137	4.5	16
73	Microparticle trajectories in a high-throughput channel for contact-free fractionation by dielectrophoresis. <i>Chemical Engineering Science</i> , <b>2016</b> , 153, 34-44	4.4	16
72	Pareto-optimal design and assessment of monolithic sponges as catalyst carriers for exothermic reactions. <i>Chemical Engineering Journal</i> , <b>2019</b> , 359, 496-504	14.7	16
71	Bridging the scales in high-throughput dielectrophoretic (bio-)particle separation in porous media. <i>Scientific Reports</i> , <b>2018</b> , 8, 10480	4.9	15
70	An approach to improve the separation of solid-liquid suspensions in inclined plate settlers: CFD simulation and experimental validation. <i>Water Research</i> , <b>2011</b> , 45, 3541-9	12.5	15
69	The contribution of diffusion to gas microflow: An experimental study. <i>Physics of Fluids</i> , <b>2012</b> , 24, 082004	4.4	15
68	3D characterization of gas phase reactors with regularly and irregularly structured monolithic catalysts by NMR imaging and modeling. <i>Catalysis Today</i> , <b>2018</b> , 310, 176-186	5.3	14
67	Detoxification of tributyltin contaminated sediments by an electrochemical process. <i>Science of the Total Environment</i> , <b>2001</b> , 266, 265-71	10.2	14
66	Assessing the Role of Pt Clusters on TiO <sub>2</sub> (P25) on the Photocatalytic Degradation of Acid Blue 9 and Rhodamine B. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 8269-8278	3.8	13
65	Fouling suppression in submerged membrane bioreactors by obstacle dielectrophoresis. <i>Journal of Membrane Science</i> , <b>2018</b> , 549, 466-473	9.6	13
64	Influence of heat treatment on the microstructure and corrosion resistance of martensitic stainless steel. <i>AIP Advances</i> , <b>2019</b> , 9, 065317	1.5	13
63	Reduction of Tributyltin (TBT) and Other Organic Pollutants of Concern in Contaminated Sediments by means of an Electrochemical Oxidation. <i>Clean - Soil, Air, Water</i> , <b>2002</b> , 30, 87-93		13
62	High-throughput dielectrophoretic filtration of sub-micron and micro particles in macroscopic porous materials. <i>Analytical and Bioanalytical Chemistry</i> , <b>2020</b> , 412, 3903-3914	4.4	12
61	Recovery of submicron particles using high-throughput dielectrophoretically switchable filtration. <i>Separation and Purification Technology</i> , <b>2014</b> , 132, 728-735	8.3	12
60	Detection of bioactive exometabolites produced by the filamentous marine cyanobacterium <i>Geitlerinema</i> sp. <i>Marine Biotechnology</i> , <b>2012</b> , 14, 436-45	3.4	12
59	Applicability of Single and Sequential Extractions for Assessing the Potential Mobility of Heavy Metals in Contaminated Soils. <i>Clean - Soil, Air, Water</i> , <b>1998</b> , 26, 338-343		12
58	Interactions between reaction kinetics in ATR-reactors and transport mechanisms in functional ceramic membranes: A simulation approach. <i>Chemical Engineering Journal</i> , <b>2008</b> , 142, 225-238	14.7	12

57	In situ analysis of gas phase reaction processes within monolithic catalyst supports by applying NMR imaging methods. <i>Catalysis Today</i> , <b>2016</b> , 273, 91-98	5.3	12
56	Hazard assessment of quinaldine-, alkylcarbazole-, benzene- and toluene-based liquid organic hydrogen carrier (LOHCs) systems. <i>Energy and Environmental Science</i> , <b>2019</b> , 12, 366-383	35.4	11
55	Full-field analysis of gas flow within open-cell foams: comparison of micro-computed tomography-based CFD simulations with experimental magnetic resonance flow mapping data. <i>Experiments in Fluids</i> , <b>2020</b> , 61, 1	2.5	11
54	Determination of LFER descriptors of 30 cations of ionic liquids--progress in understanding their molecular interaction potentials. <i>ChemPhysChem</i> , <b>2012</b> , 13, 780-7	3.2	11
53	Dielectrophoresis in aqueous suspension: impact of electrode configuration. <i>Microfluidics and Nanofluidics</i> , <b>2014</b> , 17, 499-507	2.8	11
52	Bioproduction of antimicrobial compounds by using marine filamentous cyanobacterium cultivation. <i>Journal of Applied Phycology</i> , <b>2011</b> , 23, 811-818	3.2	11
51	CFD Simulations of Radiative Heat Transport in Open-Cell Foam Catalytic Reactors. <i>Catalysts</i> , <b>2020</b> , 10, 716	4	11
50	Structure-heat transport analysis of periodic open-cell foams to be used as catalyst carriers. <i>Chemical Engineering Research and Design</i> , <b>2021</b> , 166, 209-219	5.5	11
49	Catalytically active perrhenate based ionic liquids: a preliminary ecotoxicity and biodegradability assessment. <i>New Journal of Chemistry</i> , <b>2015</b> , 39, 5431-5436	3.6	10
48	Improving the quality of nanoparticle production by using a new biphasic synthesis in a slug flow microreactor. <i>Chemical Engineering Journal</i> , <b>2013</b> , 228, 1083-1091	14.7	10
47	A comparative experimental study on the deviation of the ideal selectivity in HDTMS-functionalized and untreated ceramic structures with pores in the upper mesoporous range. <i>Microporous and Mesoporous Materials</i> , <b>2015</b> , 217, 253-261	5.3	10
46	Biodegradation potential of cyano-based ionic liquid anions in a culture of <i>Cupriavidus</i> spp. and their in vitro enzymatic hydrolysis by nitrile hydratase. <i>Environmental Science and Pollution Research</i> , <b>2014</b> , 21, 9495-505	5.1	10
45	Porous ceramic monoliths assembled from microbeads with high specific surface area for effective biocatalysis. <i>RSC Advances</i> , <b>2013</b> , 3, 13381	3.7	10
44	Thinking in Terms of Structure-Activity-Relationships (T-SAR): A Tool to Better Understand Nanofiltration Membranes. <i>Membranes</i> , <b>2011</b> , 1, 162-83	3.8	10
43	Biologische Abbaubarkeit von ionischen Flüssigkeiten – Testverfahren und strukturelles Design. <i>Chemie-Ingenieur-Technik</i> , <b>2011</b> , 83, 1454-1467	0.8	10
42	Optimal design of zero-water discharge rinsing systems. <i>Environmental Science &amp; Technology</i> , <b>2002</b> , 36, 1107-12	10.3	10
41	Multiscale modeling of monolithic sponges as catalyst carrier for the methanation of carbon dioxide. <i>Chemical Engineering Science: X</i> , <b>2019</b> , 2, 100016	1.1	9
40	Predicting and eliminating Joule heating constraints in large dielectrophoretic IDE separators. <i>Chemical Engineering Science</i> , <b>2015</b> , 137, 235-242	4.4	8

39	Quantitative analysis of molecular interaction potentials of ionic liquid anions using multi-functionalized stationary phases in HPLC. <i>ChemPhysChem</i> , <b>2014</b> , 15, 2351-8	3.2	8
38	Green nanoparticle production using micro reactor technology. <i>Journal of Physics: Conference Series</i> , <b>2011</b> , 304, 012074	0.3	8
37	On hydrodynamic optimisation of multi-channel counter-flow lamella settlers and separation efficiency of cohesive particles. <i>Chemical Engineering and Processing: Process Intensification</i> , <b>2008</b> , 47, 90-100	3.7	8
36	ECO-optimization of pre-treatment processes in metal finishing. <i>Computers and Chemical Engineering</i> , <b>2006</b> , 30, 587-598	4	8
35	Simplification of a Sequential Extraction Scheme To Determine the Mobilisable Heavy Metal Pool in Soils. <i>Clean - Soil, Air, Water</i> , <b>2001</b> , 29, 197		8
34	Modeling the Excess Velocity of Low-Viscous Taylor Droplets in Square Microchannels. <i>Fluids</i> , <b>2019</b> , 4, 162	1.6	7
33	Analysis of the diodic effect of flows of rarefied gases in tapered rectangular channels. <i>Vacuum</i> , <b>2015</b> , 120, 147-154	3.7	7
32	Toward the Proactive Design of Sustainable Chemicals: Ionic Liquids as a Prime Example. <i>Chemical Reviews</i> , <b>2021</b> , 121, 13132-13173	68.1	7
31	Multicomponent gas diffusion in nonuniform tubes. <i>AIChE Journal</i> , <b>2015</b> , 61, 1404-1412	3.6	6
30	A physical explanation of the gas flow diode effect. <i>Microfluidics and Nanofluidics</i> , <b>2016</b> , 20, 1	2.8	6
29	Applying Alkyl-Chain Surface Functionalizations in Mesoporous Inorganic Structures: Their Impact on Gas Flow and Selectivity Depending on Temperature. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 26938-26947	9.5	6
28	Emulation of Bubble-Induced Turbulence Using Randomly Moving Particles in a 'Grid' Structure. <i>Chemical Engineering and Technology</i> , <b>2017</b> , 40, 1502-1511	2	5
27	Refractive index matching (RIM) using double-binary liquid-liquid mixtures. <i>Experiments in Fluids</i> , <b>2020</b> , 61, 1	2.5	5
26	Pore-scale analysis of axial and radial dispersion coefficients of gas flow in macroporous foam monoliths using NMR-based displacement measurements. <i>Chemical Engineering Journal</i> , <b>2020</b> , 388, 124234	14.7	5
25	The influence of the functional group density on gas flow and selectivity: Nanoscale interactions in alkyl-functionalized mesoporous membranes. <i>Microporous and Mesoporous Materials</i> , <b>2017</b> , 237, 38-48	5.3	5
24	Efecto del cati3n, del ani3n y del co-3n sobre la agregaci3n de l3quidos i3nicos en soluci3n acuosa. <i>Quimica Nova</i> , <b>2010</b> , 33, 1703-1708	1.6	5
23	Dynamic simulation of rinsing and regeneration networks based on high pressure RO. <i>Desalination</i> , <b>2007</b> , 207, 45-58	10.3	4
22	Coatings of active and heat-resistant cobalt-aluminium xerogel catalysts. <i>Journal of Colloid and Interface Science</i> , <b>2016</b> , 477, 64-73	9.3	4

21	Magnetic Resonance Imaging for Non-invasive Study of Hydrodynamics Inside Gas-Liquid Taylor Flows. <i>Chemical Engineering and Technology</i> , <b>2021</b> , 44, 465-476	2	4
20	Experimental Assessment of an Innovative Device to Mimic Bubble Swarm Turbulence. <i>Chemical Engineering and Technology</i> , <b>2017</b> , 40, 1466-1474	2	3
19	Effect of Heat Treatment of Martensitic Stainless Steel on Passive Layer Growth Kinetics Studied by Electrochemical Impedance Spectroscopy in Conjunction with the Point Defect Model. <i>Corrosion and Materials Degradation</i> , <b>2020</b> , 1, 77-91	2.6	3
18	Polarizability-Dependent Sorting of Microparticles Using Continuous-Flow Dielectrophoretic Chromatography with a Frequency Modulation Method. <i>Micromachines</i> , <b>2019</b> , 11,	3.3	2
17	Impact of Pulsed Dielectrophoretic Supply on the Function of Microorganisms in Membrane Bioreactors. <i>Journal of Environmental Engineering, ASCE</i> , <b>2018</b> , 144, 04018017	2	2
16	Influence of Pressure, Velocity and Fluid Material on Heat Transport in Structured Open-Cell Foam Reactors Investigated Using CFD Simulations. <i>ChemEngineering</i> , <b>2020</b> , 4, 61	2.6	2
15	Heat Transport in Open-Cell Foams: CFD Analysis of Artificial Heat Sources vs Fully Resolved Exothermal Reactions. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2021</b> , 60, 4542-4551	3.9	2
14	A large fixed bed reactor for MRI operando experiments at elevated temperature and pressure. <i>Review of Scientific Instruments</i> , <b>2021</b> , 92, 043711	1.7	2
13	Insulator-based dielectrophoresis for fouling suppression in submerged membranes bioreactors: Impact of insulators shape and dimensions. <i>Separation and Purification Technology</i> , <b>2019</b> , 213, 507-514	8.3	2
12	Spatially Resolved Characterization of the Gas Propagator in Monolithic Structured Catalysts Using NMR Diffusiometry. <i>Chemical Engineering and Technology</i> , <b>2018</b> , 41, 1871-1880	2	2
11	Separating microparticles by material and size using dielectrophoretic chromatography with frequency modulation. <i>Scientific Reports</i> , <b>2021</b> , 11, 16861	4.9	2
10	Aerosol classification by dielectrophoresis: a theoretical study on spherical particles. <i>Scientific Reports</i> , <b>2020</b> , 10, 10617	4.9	1
9	Diffusion weighted magnetic resonance imaging for temperature measurements in catalyst supports with an axial gas flow. <i>Reaction Chemistry and Engineering</i> , <b>2019</b> , 4, 1844-1853	4.9	1
8	Surface Functionalization of Mesoporous Membranes: Impact on Pore Structure and Gas Flow Mechanisms. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 39388-39396	9.5	1
7	Numerical study on the effect of insulator size and shape on fouling suppression by electrodeless dielectrophoresis in submerged membrane bioreactors <b>2018</b> ,		1
6	Potential of the Red Alga for the Production of Additives for Lubricants. <i>Plants</i> , <b>2021</b> , 10,	4.5	1
5	Delayed binary and multicomponent gas diffusion in conical tubes. <i>Chemical Engineering Science</i> , <b>2016</b> , 148, 93-107	4.4	0
4	The flow topology transition of liquid-liquid Taylor flows in square microchannels. <i>Experiments in Fluids</i> , <b>2022</b> , 63, 1	2.5	0



3	Spatially resolved direct gas-phase thermometry in chemical reactors using NMR. <i>Chemical Engineering Journal</i> , <b>2021</b> , 433, 133583	14.7	○
2	Full-Field Comparison of MRV and CFD of Gas Flow through Regular Catalytic Monolithic Structures. <i>Processes</i> , <b>2021</b> , 9, 566	2.9	○
1	Simulation of a membrane bioreactor for regeneration of degreasing systems. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2006</b> , 81, 841-850	3.5	